

PAT-NO: JP407188563A
DOCUMENT-IDENTIFIER: JP 07188563 A
TITLE: SOLVENT-BASED RESIN COMPOSITION,
FILM OR SHEET CONTAINING SILK FIBROIN SUPERFINE
POWDER AND LAMINATE USING THE SAME
PUBN-DATE: July 25, 1995

INVENTOR-INFORMATION:
NAME
SANO, SHINKO
FUKATSU, FUMIOKI

ASSIGNEE-INFORMATION:
NAME COUNTRY
IDEMITSU PETROCHEM CO LTD N/A

APPL-NO: JP05332132
APPL-DATE: December 27, 1993

INT-CL (IPC): C08L089/00, B02C019/06 , B29C041/24 ,
B32B027/04 , B32B027/10
 , B32B027/12 , D06M015/15 , D06M023/08 ,
D06N003/00

ABSTRACT:

PURPOSE: To provide a solvent-based resin composition, a film or a sheet and a laminate containing silk fibroin superfine powder, capable of providing good moisture absorbing and desorbing properties, moisture permeability and touch feeling.

CONSTITUTION: This solvent-based resin composition is obtained by carrying out the first pulverizing step for converting silk fibroin into coarse powder by a dry mechanical pulverizing means, the second pulverizing step for converting the silk fibroin coarse powder into fine powder by a dry mechanical pulverizing means and the third pulverizing step for converting the silk fibroin fine powder into superfine powder having $\leq 10 \mu\text{m}$ average particle diameter by a dry mechanical pulverizing means and using the silk fibroin superfine powder produced by performing the treatment of converting the silk fibroin powder into the β form during or after at least one step in the first to the third pulverizing steps. A coating liquid 22 containing the resultant silk fibroin superfine powder is applied to a substrate 21 to provide a synthetic leather 26.

COPYRIGHT: (C)1995,JPO